

June 22, 1988

Dear Manufacturer:

CD-88-08 (LD)

SUBJECT: Supplement to the 1989 Model Year Light-Duty Vehicle  
Application Format

This letter transmits to you the instructions for the preparation and submission of data forms for the 1989 model year light-duty vehicle certification and fuel economy programs (the 1989 model year supplement). The principal changes identified here were implemented earlier in EPA computer programs as they became necessary due to regulation changes, directives issued by the Certification Division, and enhancement for the processing to give more meaningful results. While most manufacturers are already aware of these changes and have incorporated them in their own certification and fuel economy programs, this supplement will serve as a complete compilation of those changes adopted beginning with the 1989 model year. The following briefly describes the major changes.

#### Addition of the Shift Schedule Information Sheet

The Shift Schedule Information Sheet was developed in a joint effort by EPA's Certification Division and Engineering Operations Division computer programming staffs. This new data sheet eliminates the need for the manufacturers to manually mark driver's traces to be used to perform chassis dynamometer test procedures required for the certification, fuel economy and other noncertification programs. The information entered on this data sheet can support several years of testing and does not require redundant entry of the same data for a new year. The initial implementation of this system was done in January, 1988 and described in the Certification Division letter number CD-87-13, dated October 28, 1987. There was also a workshop on the afternoon of July 15, 1987 to discuss this system and to gather information which aided EPA in completing this system. The documentation for this system was developed in phases along with the system also being implemented in phases. This letter transmits the final phase of the documentation.

The Shift Schedule Information Sheet system changed from the original (first phase) implementation by making some additional features available plus completing the processing procedures.

Among the changes from the first phase was making the EPA standard shift schedule information accessible by manufacturers with MTS accounts allowing modification for unique shift schedules. Also the link between MTS and the laboratory network system (LNS) was significantly enhanced to include separate data bases for certification and noncertification and to produce error messages from the LNS. Other changes include:

Preprocessor program added to provide upfront checking of input with appropriate error messages.

Selective report routing to return reports to originator.

All error messages numbered with additional messages from the LNS.

Addition of a new process code allowing summary report generation of all information for a manufacturer.

More examples added to cover all areas and types of submissions of data.

#### Field Changes on the Vehicle Information Data Sheet

Two new fields are added to the Vehicle Information Data Sheet on card 5 columns 69 through 76 for entering city and highway shift schedule ID numbers when a VI version requires a unique shift schedule. These fields may be left blank if the combination of transmission configuration and shift speed allows the vehicle information program to determine the default values for the standard shift schedules. The vehicle information program will produce appropriate error messages when the incorrect values are used in this field.

Further computer program changes added error message numbers to the following systems:

Engine System Information  
Manufacturers Test Data  
Certification Change Request

A number of additional, less substantial revisions have been made to improve clarity and ease data submission. Instead of providing a separate description of these changes, vertical bars have been entered in the right margin to identify text changed from the previous year.

The instructions in this supplement are effective immediately and are applicable until further notice. EPA has scheduled a workshop at the MVEL on July 20, 1988 following the scheduled manufacturers' meeting. This workshop will primarily focus on the changes made to the data supplement and will be scheduled to begin at 1:00 p.m. Should you have specific questions please submit them at least a week before the meeting.

If you have any questions regarding the 1989 model year supplement please contact:

John Hendon, Computer Support Section  
Certification Division  
Environmental Protection Agency  
2565 Plymouth Road  
Ann Arbor, MI 48105

Sincerely,

Robert E. Maxwell, Director  
Certification Division  
Office of Mobile Sources

Enclosure

0143w